Purchase Order Receipt Listing

Friday, October 31, 2014 9:28:41 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO26272 Receipt Dates from 10/31/2014 to 10/31/2014 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name			**VC-COP001**	**Thyssenkrupp Materials CA Ltd**							
PO26272	1		M303R0.750	f	11/3/2014	10/31/2014	48.0000	$3.11	0.0000	0	$149.15
CAD	No		303 Round Bar 0.750	f	48.0000	DCUSER		$149.15	0.0000	0	
			m130745								
	2		M6061T6R0.625	f	11/3/2014	10/31/2014	60.0000	$0.74	0.0000	0	$44.16
	No		6061-T6 Round Bar .625"	f	60.0000	DCUSER		$44.16	0.0000	0	
			m130745								
	3		M6061T6R0.750	f	11/3/2014	10/31/2014	120.0000	$1.04	0.0000	0	$124.78
	No		6061-T6 Round Bar .750"	f	120.0000	DCUSER		$124.78	0.0000	0	
			m130745								
	4		M304S16GA	sf	11/3/2014	10/31/2014	96.0000	$4.72	0.0000	0	$452.98
	No		304/316 Sheet .063	sf	96.0000	DCUSER		$452.98	0.0000	0	
			m130745								
	5		M304S20GA	sf	11/3/2014	10/31/2014	192.0000	$2.97	0.0000	0	$570.56
	No		304/316 .040 Sheet	sf	192.0000	DCUSER		$570.56	0.0000	0	
			m130745								
	6		M6061T6S.125	sf	11/3/2014	10/31/2014	64.0000	$5.29	0.0000	0	$338.44
	No		6061-T6 .125 Sheet	sf	64.0000	DCUSER		$338.44	0.0000	0	
			m130745								
	7		M6061T6S.063	sf	11/3/2014	10/31/2014	160.0000	$2.72	0.0000	0	$435.15
	No		6061-T6 .063 Sheet	sf	160.0000	DCUSER		$435.15	0.0000	0	
			m130745								
	8		M6061T6B0.750X08.000	f	11/3/2014	10/31/2014	12.0000	$18.08	0.0000	0	$216.97
	No		6061-T6 BAR .750" X 8.00"	f	12.0000	DCUSER		$216.97	0.0000	0	
			m130745								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
										Total Received Quantity:	752.0000
										Total Qty to Inspect (PO U/M):	0.0000
										Total Reject Quantity:	0.0000
										Total Receipt Value:	$2,332.21
										Total Balance Due Quantity:	0.0000

B I L L   O F   L A D I N G

No: PEC 903546

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 30Oct14 at 15:25 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

B I L L   O F   L A D I N G

1) Our Order PEC-736420- 1 Your PO # 26272
STAINLESS STEEL ROUND BAR 303 STAINLESS
.750" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
N3B7	347681	48 FT	4	72

MTR

2) Our Order PEC-736420- 2 Your PO # 26272
ALUMINUM ROUND BAR 6061-T6511
.625" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
201411304	347682	60 FT	5	22

MTR

3) Our Order PEC-736420- 3 Your PO # 26272
ALUMINUM ROUND BAR 6061-T6511
.750" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
40959-188	347683	120 FT	10	64

MTR

4) Our Order PEC-736420- 4 Your PO # 26272
STAINLESS STEEL SHEET 304-2B
.0600 Nom X 48.0000" X 96.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
982325	347622	96.00 SFT	3	236

MTR

5) Our Order PEC-736420- 5 Your PO # 26272
STAINLESS STEEL SHEET 304-2B
.0360 Nom X 48.0000" X 96.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
502403	347786	192.00 SFT	6	285

MTR

Page: 1 ....Continued

2014-10-31

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE ___/___/___

BILL OF LADING

No: PEC 903546

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 30Oct14 at 15:25 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)

Ship To: (1)
DART AEROSPACE

Sold To: (20115)
DART AEROSPACE

BILL OF LADING

6) Our Order PEC-736420- 6 Your PO # 26272
ALUMINUM SHEET 6061 T6
.1250 Nom X 48.0000" X 96.0000"

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
Z-1406Y6022	347787	64.00 SFT	2	112

7) Our Order PEC-736420- 7 Your PO # 26272
ALUMINUM SHEET 6061 T6
.0640 Nom X 48.0000" X 96.0000"

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
Z-1404Y6027	347788	160.00 SFT	5	142

8) Our Order PEC-736420- 8 Your PO # 26272
ALUMINUM FLT BAR ECONOPLT 6061-T6511
.750" X 8.00" X 144.0000"

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
Z00102085	347684	12 FT	1	84

	Tags	PCS	LBS
TOTAL:	8	36	1017

Heat Number *** Chemical Analysis ***
201411304
40959-188
502403
982325
N3B7
Z-1404Y6027
Z-1406Y6022
Z00102085

2014-10-31

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

__/__/__
DATE

B I L L   O F   L A D I N G

No: PEC 903546

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 30Oct14 at 15:25 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)

Ship To: (1)
DART AEROSPACE

Sold To: (20115)
DART AEROSPACE

==

B I L L   O F   L A D I N G

TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 BDL, 2 SKIDS GW. 1142 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****
****
* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *
****
***PLEASE NOTE A $25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

/ /
DATE

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
.750" DIA X 144.0000"
PART NO.

PO/Rel 26272
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: ______

BL PEC-903546-001
30Oct14
Pg 1/1

METALLURGICAL TEST REPORT

NAS
740 Imperial Road North

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Certificate: 978281 8
Customer: 007206 001

Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 8/20/2014 Page: 1
Steel: 303
Finish: CD
Corrosion:

Your Order: PEC258796
NAS Order: PN 0041295 02

PRODUCT DESCRIPTION:
Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640U TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:
COMPLIES W/REQUIREMENTS OF DFAR 252.225-7009 EU DIRECTIVE 2011/65/EU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	-------Length------	Mark	Pieces	Commodity Code
BG5435 8		.7500		999	144.00	2	1	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
N3B7	US	.0384	.1665	17.2540	.3895	1.8310	.3625	.0505	8.1910	.0310
		S %	SI %							
		.3265	.4595							

MECHANICAL PROPERTIES

Product Id	loc	dir	HB No.	.2YS KSI	UTS KSI	RA %	Elng % 4D
BG5435 8	R	L	189.0	93.86	112.01	54.31	37.69

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr.

8/20/2014

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511
.750" DIA X 144.0000"
PART NO.

PO/Rel 26272

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-903546-003 30Oct14

Signed by: MK

KAISER ALUMINUM FABRICATED PRODUCTS — Best in Class

CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER:	CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION		
PEC-260747-2	501/STK		KAISERSELECT PRECISION ROD .750 +/-.004		
KAISER ORDER NUMBER: 672322	LINE ITEM: 002	SHIP DATE: 08/22/2014	KAISER LOT NUMBER: 40959-188	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 1034.000 LB	QUANTITY: 166.000 PCS	B/L NUMBER: 609729	DIAM/DAF/THKNS:	WIDTH:	LENGTH: 12.000 FT

SHIP TO:	SOLD TO:
THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA	THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS		CONDUCT.	BEND
40959-188	0001	1	49.4	44.5	16.0	RE	90	N/A	N/A
40959-188	0001	10	53.7	50.0	15.0	RE	93	N/A	N/A
40959-188	0001	11	53.9	49.9	15.0	RE	93	N/A	N/A
40959-188	0001	12	52.9	48.8	15.0	RE	93	N/A	N/A
40959-188	0001	13	53.3	49.4	15.0	RE	93	N/A	N/A
40959-188	0001	2	50.9	44.6	17.0	RE	90	N/A	N/A
40959-188	0001	3	49.6	43.6	16.0	RE	90	N/A	N/A
40959-188	0001	4	51.1	44.7	16.0	RE	90	N/A	N/A
40959-188	0001	5	49.4	43.1	18.0	RE	90	N/A	N/A
40959-188	0001	6	49.1	43.0	18.0	RE	90	N/A	N/A
40959-188	0001	7	49.6	43.3	17.0	RE	90	N/A	N/A
40959-188	0001	8	53.7	49.6	16.0	RE	93	N/A	N/A
40959-188	0001	9	53.7	49.6	16.0	RE	93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
H45145	.74	.40	.27	.10	.92	.11	.10	.02	.01	.00	.00	.01	.04
H45071	.76	.40	.28	.10	.94	.10	.09	.02	.01	.00	.00	.01	.04

Applicable Requirements:

PER ASTM-B221-13, STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 (REAF 2012) UNS# A96061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Plant Serial: 00146020
Kaiser Order Number: 672322
Line Item: 002

KAISER ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN,TX) MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00146020
Kaiser Order Number: 672322
Line Item: 002

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

DART AEROSPACE
ALUMINUM SHEET 6061 T6
.1250 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 26272

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

BL PEC-903546-006 30Oct14

Signed by: MK

Pg 1/2

1967

ZHENGZHOU MINGTAI INDUSTRY CO., LTD

CHANGCHUN ROAD NO.6, HIGH AND NEW TECHNOLOGY ZONE,
ZHENGZHOU HENAN CHINA
TEL:+86-371-67898715 FAX:86-371-67898612

MILL TEST CERTIFICATE

TO:	OLBERT METAL SALES LIMITED 989 DERRY RD. EAST, SUITE 305 MISSISSAUGA, ONTARIO CANADA L5T 2J8
INVOICE NO.:	ZOTO140601
CONTRACT NO:	1967
LOADING PORT:	QINGDAO,CHINA
DESTINATION:	TORONTO, CANADA
SHIPPING MARKS:	N/M
DATE:	JUN.,30, 2014

DESCRIPTION OF GOODS:
ALUMINUM TREAD PLATE 3003 H22
CERTIFIED TO MINGTAI TREAD BRIGHT SPECS. 14-11-03
ALUMINUM SHEET 3003 H14
CERTIFIED TO ALL AA, ASTM B209 - 10, AMS/QQA 250/2, AMS 4008K SPECS.
ALUMINUM SHEET 5052 H32
CERTIFIED TO ALL AA, ASTM B209 - 10, AMS/QQA 250/8, AMS 4016M SPECS.
ALUMINUM SHEET 6061 T6
CERTIFIED TO ASTM B209, ASME SB-209, AMS 4027N, AMS-QQ-A-250/11 SPECS.
CIF TORONTO, CANADA

CHEMICAL COMPOSITION

Heat No.	Alloy Temper	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Others	Al
Z-1406Y3253	3003/H14	0.094	0.573	0.089	1.023	0.0078	0.011	0.032	0.0062	0.15	REMAINDER
Z-1406Y3253	3003/H14	0.094	0.573	0.089	1.023	0.0078	0.011	0.032	0.0062	0.15	REMAINDER
Z-1406YB060	3003/H22	0.065	0.517	0.065	1.011	0.0026	0.007	0.029	0.0051	0.15	REMAINDER
Z-1406YB060	3003/H22	0.065	0.517	0.065	1.011	0.0026	0.007	0.029	0.0051	0.15	REMAINDER
Z-1406YB112	3003/H22	0.077	0.563	0.115	1.104	0.013	0.006	0.034	0.005	0.15	REMAINDER
Z-1406YB112	3003/H22	0.077	0.563	0.115	1.104	0.013	0.006	0.034	0.005	0.15	REMAINDER
ZB-1406YB069	3003/H22	0.092	0.579	0.111	1.111	0.009	0.006	0.035	0.006	0.15	REMAINDER
ZB-1406YB069	3003/H22	0.092	0.579	0.111	1.111	0.009	0.006	0.035	0.006	0.15	REMAINDER
ZB-1406YB070	3003/H22	0.085	0.563	0.121	1.133	0.005	0.005	0.03	0.007	0.15	REMAINDER
ZB-1406YB070	3003/H22	0.085	0.563	0.121	1.133	0.005	0.005	0.03	0.007	0.15	REMAINDER
ZB-1406Y5021	5052/H32	0.073	0.341	0.016	0.084	2.286	0.009	0.014	0.168	0.15	REMAINDER
ZB-1406Y5023	5052/H32	0.073	0.361	0.015	0.089	2.3	0.009	0.013	0.166	0.15	REMAINDER
ZB-1406Y5023	5052/H32	0.073	0.361	0.015	0.089	2.3	0.009	0.013	0.166	0.15	REMAINDER
Z-1406Y6022	6061/T6	0.607	0.354	0.266	0.051	1.054	0.004	0.02	0.189	0.15	REMAINDER
Z-1406Y6022	6061/T6	0.607	0.354	0.266	0.051	1.054	0.004	0.02	0.189	0.15	REMAINDER
Z-1406Y6023	6061/T6	0.567	0.315	0.24	0.025	1.027	0.004	0.021	0.196	0.15	REMAINDER
Z-1406Y6023	6061/T6	0.567	0.315	0.24	0.025	1.027	0.004	0.021	0.196	0.15	REMAINDER
ZB-1406Y6021	6061/T6	0.634	0.335	0.273	0.024	1.11	0.003	0.024	0.193	0.15	REMAINDER
ZB-1406Y6021	6061/T6	0.634	0.335	0.273	0.024	1.11	0.003	0.024	0.193	0.15	REMAINDER

MECHANICAL PROPERTY

Heat No.	Alloy Temper	Specs(in)	Tensile strength (Mpa/ksi)		Yield Strength(Mpa/ksi)		Elongn %
Z-1406Y3253	3003/H14	.050*48*120	144	21	120	17	26
Z-1406Y3253	3003/H14	.050*48*96	144	21	120	17	26
Z-1406YB060	3003/H22	.125*48*120	132	19	90	13	22
Z-1405YB060	3003/H22	.125*48*96	132	19	90	13	22
Z-1406YB112	3003/H22	.063*48*120	131	19	91	13	17
Z-1406YB112	3003/H22	.063*48*96	131	19	91	13	17
ZB-1406YB069	3003/H22	.188*48*96	133	19	92	13	27
ZB-1406YB069	3003/H22	.188*48*120	133	19	92	13	27

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

DART AEROSPACE

ALUMINUM SHEET 6061 T6
.1250 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 26272

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

BL PEC-903546-006 30Oct14

Signed by: MLC

ZB-1406YB070	3003/H22	.250*48*96	136	20	93	13	31
ZB-1406YB070	3003/H22	.250*48*120	136	20	93	13	31
ZB-1406Y5021	5052/H32	.188*48*120	216	31	171	25	6
ZB-1406Y5023	5052/H32	.250*48*96	221	32	164	24	14
ZB-1406Y5023	5052/H32	.250*48*120	221	32	164	24	14
Z-1406Y6022	6061/T6	.125*48*144	314	46	258	37	16
Z-1406Y6022	6061/T6	.125*48*96	314	46	258	37	16
Z-1406Y6023	6061/T6	.063*48*144	376	55	354	51	12
Z-1406Y6023	6061/T6	.063*48*96	376	55	354	51	12
ZB-1406Y6021	6061/T6	.188*48*96	346	50	302	44	11
ZB-1406Y6021	6061/T6	.188*48*144	346	50	302	44	11

PRODUCER: ZHENGZHOU MINGTAI INDUSTRY CO., LTD

ZHENGZHOU MINGTAI INDUSTRY CO., LTD.
郑州明泰实业有限公司

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
.625" DIA X 144.0000"
PART NO.

PO/Rel 26272
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: MK

Certificate of Mill Test Results

BL PEC-903546-002 30Oct14 Pg 1/1

Service Center Metals
5850 Quality Way
Prince George, VA 23875

SCM Can Do.

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
206066	3

BILL TO	MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	226834	RD0002	6/4/2014	ASTM-B221-13 No Stencil
SHIP TO	**CUSTOMER PO**	**ALLOY / TEMPER**	**SALESPERSON**	**SPECIFICATION**
ThyssenKrupp Materials NA, Toronto	PEC-258700	6061-T6511	David Schroeder	AMS-QQA-200/8 - 1997
Quantity Certified 2,154 lbs 496pcs	**CUSTOMER PART NUMBER** RD0002	**DESCRIPTION** Lightning Rod Tite 0.625 +.004/-.003		

We hereby certify *that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA.*

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI) min	Ultimate Tensile Strength (KSI) max	Yield Strength (KSI) min	Yield Strength (KSI) max	Percent Elongation min	Percent Elongation max
13	201411304	6/3/14	50.70	52.10	46.80	48.80	13.20	17.40

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	AL	Others Each	Others Total	Melt Source:
01121403	6061	0.73	0.34	0.32	0.11	0.88	0.18	0.10	0.02	97.32	0.03	0.10	United States of America
03031401	6061	0.74	0.36	0.30	0.11	0.87	0.19	0.08	0.02	97.33	0.03	0.10	United States of America

Print Date: 6/4/2014

Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 9/23/11 - UMS

Doc No. 186396 Indexed 6Jun14 by slssup1

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
.0600 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 26272
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: ________

BL PEC-903546-004

1943

NOTICE OF SHIPMENT/
PACKING LIST

ATI Allegheny Ludlum

CERTIFICATE OF TEST

AL 5168-5 0114

CUST. ORD. NO. & DATE		CUST. CODE	ACCEPTING MILL	SHIPPER NO.	PRODUCT CODE	MILL ORDER NUMBER	DATE SHIPPED
TO-1943	02/03/14	679602	VANDERGRIFT, PA	422443	13020102060000	30-024-172	04/02/14

FORMS DISTRIBUTION: SOLD TO 1 | SHIP TO | SPEC

REPEAT ORDER 03954-0 | DO RATE 38 | PRIORITY | GOV'T CONTRACT 7219.33.0000 | MAT'L 1124 | SHIPPING LOCATION VANDERGRIFT PA | INVOICE 668229

PRIME SEC.
DSO DSO
30

SOLD TO
OLBERT METAL SALES LTD
989 DERRY ROAD EAST SUITE 305
MISSISSAUGA ONTARIO L5T 2J8
CANADA

SHIP TO
EXCELSIOR PROCESSING
34 CARSON STREET
ONTARIO ZIP: M8W 1T2
TORONTO
CN

DAS
23
9-89
14-11-03

GRADE AND SPECIFICATIONS
CARRIER - LEES INC.
"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (304/304L)(ASME-SA-480 ED 2013)(ASTM-A-480-13B)(ASTM-A-666-10) (ASTM-A-262-13 PRACTICE E)(ASME-SA-240 ED 2013)(ASTM-A-240-13C)

ITEM	PCS	DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/ CD SKID #
002	1	48./.059/1422.	982325	03074N566B	8816710	14025		14025		313511
P CUST IDENTITY T304L.059X48	1 COIL					14025		14025		

ORDER REMARKS: EXW - EXCEPT VAT AND OTHER APPLICABLE LOCAL TAXES WHICH ARE THE RESPONSIBILITY OF THE BUYER

TYPE HEAT/TEST (WT %)	--C---	--MN--	--P---	--S---	--SI--	--CR--	--NI--	--N---
HEAT 982325	.017	1.61	.033	.0004	.44	18.1	8.1	.07
TEST LOCATION	MI	MI	MI	MI	MI	MI	MI	MI

ITEM	TEST NO	YIELD PSI *	TENSILE PSI	% ELONG IN 2"	% R/A	HARDNESS	BEND	CORROSION A 262 PR E	ASTM GRAIN SIZE	HARDENABILITY
002	8816710	T 44000.	88500.	65.	NR	84.HRBW 79.HRBW	T PASS	PASS	NR	NR
TEST LOCATION		TC	TC	TC		TC	TC	TC		

* Y.S. BY 0.2% OFFSET METHOD

NR = DATA NOT REQUIRED
GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

DIN EN 10204:2005 - 3.1 CERTIFICATE DOES NOT INDICATE PED APPROVAL FOR THIS MATERIAL.

PAGE 01 - CONTINUED ON PAGE 02

04/02/14 15:35:48

CONSIGNEE..Please Note—This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

WARNING
Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-226-5980. CAUTION Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-5980. Attention: les traitements entraînant la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Stephen Wolff - Director, Corporate Quality Assurance

NOTICE OF SHIPMENT/ PACKING LIST

ATI Allegheny Ludlum

CERTIFICATE OF TEST

AL 8158-5 0114

CUST. ORD. NO. & DATE		CUST. CODE	ACCEPTING MILL	SHIPPER NO.	PRODUCT CODE	MILL ORDER NUMBER	DATE SHIPPED
TO-1943	02/03/14	679602	VANDERGRIFT, PA	422443	13020102060000	30-024-172	04/02/14

FORMS DISTRIBUTION: SOLD TO→ 1 | SHIP TO→ | SPEC |

REPEAT ORDER	DO RATE	PRIORITY	GOVT CONTRACT	MATL	SHIPPING LOCATION		INVOICE
03954-0	38		7219.33.0000	1124	VANDERGRIFT	PA	668229

PRIME SEC.
DSO DSO
30

SOLD TO
OLBERT METAL SALES LTD
989 DERRY ROAD EAST SUITE 305
MISSISSAUGA ONTARIO L5T 2J8
CANADA

SHIP TO
EXCELSIOR PROCESSING
34 CARSON STREET
ONTARIO ZIP: M8W 1T2
TORONTO CN

GRADE
"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (304/304L)

CARRIER - LEES INC.

THESE COMMODITIES OR TECHNOLOGY, WHEN EXPORTED FROM THE UNITED STATES, ARE IN ACCORDANCE WITH THE USA EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. U.S. LAW ALSO PROHIBITS DISPOSITION OF THESE COMMODITIES/TECHNICAL DATA TO ANY END-USER OR FOR ANY END-USE RELATED TO THE DESIGN, DEVELOPMENT, PRODUCTION, STOCKPILING, OR USE OF CHEMICAL, BIOLOGICAL, OR NUCLEAR WEAPONS, OR MISSILES, WITHOUT THE PROPER APPROVAL OF THE UNITED STATES GOVERNMENT.

THIS DIN EN 10204:2005 - 3.1 CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI AL HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI AL QUALITY MANUAL REVISION 22 DATED 7/10/2013.

ATI ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:
C, S BY COMBUSTION/INFRARED
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF
B BY OES
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
PB, BI, AG BY GFAA

ATI FLAT ROLLED PRODUCTS HAS NO CONTROL OVER CUSTOMER PROCESSING OF MATERIAL; INCLUDING, BUT NOT LIMITED TO, BUFFING OR ELECTROPOLISHING MATERIAL WITH A 2B OR OTHER FINISH, AND DOES NOT REPRESENT OR GUARANTY THAT THE MATERIAL IS SUITABLE FOR ANY PARTICULAR PROCESS OR USE OF CUSTOMER.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:
MI = ATI-ALLEGHENY LUDLUM; 950 TENTH STREET; MIDLAND, PA 15059
TC = ATI-ALLEGHENY LUDLUM; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

PAGE 02 - CONTINUED ON PAGE 03

04/02/14 15:35:48

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Stephen Wolff
Director, Corporate Quality Assurance

NOTICE OF SHIPMENT/ PACKING LIST

ATI Allegheny Ludlum

CERTIFICATE OF TEST

AL 6168-5 0114

CUST. ORD. NO. & DATE		CUST. CODE	ACCEPTING MILL	SHIPPER NO.	PRODUCT CODE	MILL ORDER NUMBER	DATE SHIPPED
TO-1943	02/03/14	679602	VANDERGRIFT, PA	422443	13020102060000	30-024-172	04/02/14

FORMS DISTRIBUTION SOLD TO	SHIP TO	SPEC	REPEAT ORDER	DO RATE	PRIORITY	GOV'T CONTRACT	MAT'L	SHIPPING LOCATION		INVOICE
1			03954-0	38		7219.33.0000	1124	VANDERGRIFT	PA	668229

SOLD TO
OLBERT METAL SALES LTD
989 DERRY ROAD EAST SUITE 305
MISSISSAUGA ONTARIO L5T 2J8
CANADA

PRIME SEC.
DSO DSO
30

SHIP TO
EXCELSIOR PROCESSING
34 CARSON STREET
ONTARIO ZIP: M8W 1T2
TORONTO CN

GRADE
"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (304/304L)

CARRIER - LEES INC.

<<<<<<<< FOR ACCESS TO ONLINE CERTIFICATES OF TEST >>>>>>>>
<<<<<<<< REGISTER AT WWW.ALCEXTRA.COM >>>>>>>>

PAGE 03 - FINAL PAGE.

04/02/14 15:35:48

CONSIGNEE: Please Note - This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

WARNING

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-226-5980. CAUTION: Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-5980. Attention: les traitements entraînant la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Stephen Wolff - Director, Corporate Quality Assurance

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM FLT BAR ECONOPLT 6061-T6511
.750" X 8.00" X 144.0000"
PART NO.

PO/Rel 26272
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-903546-008 30Oct14
Signed by: MLC Pg 1/1

KAISER ALUMINUM FABRICATED PRODUCTS

CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER:	CUSTOMER PART NUMBER:	PRODUCT DESCRIPTION:
PEC-261400-2	W66/STK	.750 X 8.000 PRECISION WIDE BAR

KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:
673618	002	09/16/2014	Z00102085	6061	T6511
WEIGHT SHIPPED:	**QUANTITY:**	**B/L NUMBER:**	**DIAM/DAF/THKNS:**	**WIDTH:**	**LENGTH:**
1016.000 LB	12.000 PCS	609905			12.000 FT

SHIP TO:	SOLD TO:
THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA	THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS(KSI)	YTS(KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00102085	0001	1	45.8	42.4	10.1	RE 94	N/A	N/A
Z00102085	0001	2	47.0	43.6	10.9	RE 95	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
104176	.65	.29	.24	.07	.89	.06	.03	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-13 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 97(REAF 2012) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00148419
Kaiser Order Number: 673618
Line Item: 002

Doc No. 193594 Indexed 19Sep14 by slssup1

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
.0360 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 26272

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

BL PEC-903546-005 30Oct14
Signed by: MK
Pg 1/1

1945

Manufacturer / Fabricante / Herstellerwerk: outokumpu

Type of document / Tipo de documento / Art der Prüfbescheinigung:

INSPECTION CERTIFICATE
CERTIFICADO DE INSPECCION
ABNAHMEPRÜFZEUGNIS
according to / de acuerdo con / nach
EN 10204-3.1

Document number / Nº de certificado / Bescheinigungsnr.: 06/01/2014 **0000086214 / 2**

Page / Pagina / Seite: 1 / 1

1 ThyssenKrupp Drive; P.O. Box 13000; Calvert, AL 36513-1300

OLBERT METAL SALES LIMITED
989 DERRY ROAD EAST SUITE 305
MISSISSAUGA ON L5T 2J8
CANADA

Customer/Ship to / Cliente / Besteller/Empfänger: OLBERT METAL SALES LIMITED,MISSISSAUGA

Customer's order number / Nº de Pedido Cliente / Kundenbestellnr.: TO-1945

Manufacturer's works order no. / Nº de Pedido Manufactura / Werksauftragsnr.: 901165623 / 005

Delivery note no. / Nº de Entrega / Lieferanzeige Nr.: 85287837 / 010

Product / Producto / Erzeugnis: SHEET/HOJAS/BLECH

DAS
23
9-89

14-11-03

Terms of delivery / Condiciones de entrega / Lieferbedingungen:
ASTM A240/240M, ASME SA-240 Sec.II Part A Ed. 2013
ASTM A480/480M, ASME SA-480 Sec.II Part A Ed. 2013

Steel grade and quality / Acero / Stahlsorte und Gütegruppe: TYPE 304L/304

Customer's material no. / Nº de material del cliente / Kundenmaterial-Nr.	Product dimensions (Thickness / Width / Length) / Dimensiones (Espesor / Ancho / Largo) / Maße des Erzeugnisses (Dicke / Breite / Länge)	Steelmaking procedure / Proceso de manufact. / Herstellart	Finish / Acabado / Ausführung
	0.89 mm x 1,219.20 mm x 2,438.40 mm 0.0351 inch x 48.0000 inch x 96.0000 inch	AOD	IIIc / 2B

Packing-No. / Nº de Empaque / Paket-Nr.	No. of pieces / Piezas / Stückzahl	Actual weight / Peso actual / Ist-Gewicht	Coil No. / Bobina No. / Band-Nr.	Heat No. / Colada / Schmelzennr.	Sample Id. / Nº de muestra / Proben-Id.	Sample Id. / Nº de muestra / Proben-Id.
6123784	65	3,045 lb / 1,381 kg	733471	502403	1000182178	1000182179
6123785	65	3,056 lb / 1,386 kg	733471	502403	1000182178	1000182179
Sum / Suma / Summe	130	6,101 lb / 2,767 kg				

Chemical composition / Composicion Quimica / Chemische Zusammensetzung

Heat / Colada / Schmelze	Country of heat / Pais de colada / Erschmelzungsland	% C	% Si	% Mn	% P	% S	% Cr	% Mo	% Ni	% N	% Cu
502403	USA	0.024	0.38	1.55	0.028	0.0010	18.08	0.27	8.04	0.058	0.40

Sample Position / Localiz. de la muestra / Probenlage: TRANSVERSE

Inspection lot / Lote de inspección / Prüflos	YS0.2% PSI / MPa	TS PSI / MPa	EL A2" %	HRB
1000182178	39,304 / 271	92,240 / 636	57.1	82
1000182179	39,449 / 272	92,095 / 635	56.1	82

Dimensions-surface / Dimensiones-Superficie / Maße-Oberfläche: OK
Test of identity (spectrum analysis) / Control de identidad (análisis espectográfico) / Verwechslungsprüfung (Spektralanalyse): OK

HEAT - TREATMENT :1920°F/AIR
No welding or weld repairs were performed on this material
No intentional additions of Mercury compounds were made or used
Free of radioactive contamination
EU RoHS Directive 2011/65/EU Compliant
Product manufactured in the USA
Country of Heat as per ISO 3166-1

Originator of the document / Originador del documento / Aussteller der Bescheinigung:

Outokumpu Stainless USA, LLC
An ISO 9001: 2008 certified company

Certificate is generated automatically / Certificado es generado automaticamente / Das Zeugnis wurde elektronisch erstellt

The information provided is a true copy of data on file / Los valores mostrados corresponden a los datos archivados / Die generierten Werte entsprechen den gespeicherten Daten

Andrew Faucett
Phone: +1 251 829 3492
Name of expert / Nombre del experto / Name des Sachverständigen

Date of issue and validation / Fecha de emisión y validación / Datum Ausstellung / Bestätigung: 05/01/2014

Doc No. 186891 Indexed 13Jun14 by sissup1

DART AEROSPACE
ALUMINUM SHEET 6061 T6
.0640 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 26272

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: ________

ZHENGZHOU MINGTAI INDUSTRY CO., LTD
CHANGCHUN ROAD NO.6, HIGH AND NEW TECHNOLOGY ZONE,
ZHENGZHOU HENAN CHINA
TEL.:+86-371-67898715 FAX:86-371-67898612

MILL TEST CERTIFICATE

TO: OLBERT METAL SALES LIMITED
989 DERRY RD. EAST, SUITE 305 MISSISSAUGA,
ONTARIO CANADA L5T 2J8

INVOICE NO.: ZOTO140401
CONTRACT NO: 1948/1928/1955
LOADING PORT: QINGDAO,CHINA
DESTINATION: TORONTO, CANADA
SHIPPING MARKS: N/M
DATE: APR.,22, 2014

DAS
23
9-89

14-11-03

DESCRIPTION OF GOODS:
ALUMINUM SHEET 5052 H32,
CERTIFIED TO ALL AA, ASTM B209 - 10, AMS/QQA 250/8, AMS 4016L SPECS.
ALUMINUM SHEET 3003 H22/H24,
CERTIFIED TO MINGTAI TREAD BRIGHT SPECS.
ALUMINUM SHEET 6061 T6,
CERTIFIED TO ASTM B209 and AMS 4027N, AMS-QQ-A-250/11 SPECS.
REF:1948/1928/1955
CIF TORONTO, CANADA

CHEMICAL COMPOSITION

Heat No	Alloy Temper	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Others	Al
Z-1403YB190	3003/H22	0.097	0.54	0.077	1.018	0.027	0.008	0.034	0.0077	0.15	REMAINDER
Z-1403YB190	3003/H22	0.097	0.54	0.077	1.018	0.027	0.008	0.034	0.0077	0.15	REMAINDER
Z-1403YB190	3003/H22	0.097	0.54	0.077	1.018	0.027	0.008	0.034	0.0077	0.15	REMAINDER
Z-1404YB001	3003/H22	0.092	0.55	0.079	1.05	0.0067	0.008	0.025	0.0066	0.15	REMAINDER
Z-1404YB001	3003/H22	0.092	0.55	0.079	1.05	0.0067	0.008	0.025	0.0066	0.15	REMAINDER
ZB-1403YB158	3003/H22	0.063	0.57	0.117	1.138	0.005	0.002	0.034	0.005	0.15	REMAINDER
ZB-1403YB158	3003/H22	0.063	0.57	0.117	1.138	0.005	0.002	0.034	0.005	0.15	REMAINDER
ZB-1403YB158	3003/H22	0.063	0.57	0.117	1.138	0.005	0.002	0.034	0.005	0.15	REMAINDER
ZB-1403YB158	3003/H22	0.051	0.57	0.122	1.111	0.004	0.007	0.032	0.004	0.15	REMAINDER
ZB-1403YB159	3003/H22	0.051	0.57	0.122	1.111	0.004	0.007	0.032	0.004	0.15	REMAINDER
Z-1310YB353	3003/H22/H24	0.095	0.57	0.114	1.127	0.013	0.009	0.035	0.009	0.15	REMAINDER
ZB-1404Y5126	5052/H32	0.067	0.35	0.008	0.045	2.309	0.007	0.014	0.164	0.15	REMAINDER
Z-1404Y6018	6061/T6	0.577	0.33	0.235	0.043	1.06	0.002	0.02	0.197	0.15	REMAINDER
Z-1404Y6018	6061/T6	0.577	0.33	0.235	0.043	1.06	0.002	0.02	0.197	0.15	REMAINDER
Z-1404Y6018	6061/T6	0.577	0.33	0.235	0.043	1.06	0.002	0.02	0.197	0.15	REMAINDER
Z-1404Y6027	6061/T6	0.629	0.34	0.254	0.054	1.135	0.005	0.021	0.182	0.15	REMAINDER
Z-1404Y6027	6061/T6	0.629	0.34	0.254	0.054	1.136	0.005	0.021	0.182	0.15	REMAINDER
Z-1404Y6028	6061/T6	0.605	0.32	0.232	0.058	1.041	0.005	0.022	0.186	0.15	REMAINDER
Z-1404Y6028	6061/T6	0.605	0.32	0.232	0.058	1.041	0.005	0.022	0.186	0.15	REMAINDER
ZB-1404Y6023	6061/T6	0.58	0.33	0.237	0.063	1.095	0.007	0.023	0.183	0.15	REMAINDER
ZB-1404Y6023	6061/T6	0.58	0.33	0.237	0.063	1.095	0.007	0.023	0.183	0.15	REMAINDER

MECHANICAL PROPERTY

Heat No.	Alloy Temper	Specs(in)	Tensile strength (Mpa/ksi)		Yield Strength(Mpa/ksi)		Elongn %
Z-1403YB190	3003/H22	.125*48*96	133	19	90	13	19
Z-1403YB190	3003/H22	.125*48*120	133	19	90	13	19
Z-1403YB190	3003/H22	.125*48*144	133	19	90	13	19
Z-1404YB001	3003/H22	.063*48*96	130	19	90	13	14
Z-1404YB001	3003/H22	.063*48*120	130	19	90	13	14
ZB-1403YB158	3003/H22	.188*48*96	132	19	90	13	27
ZB-1403YB158	3003/H22	.188*48*120	132	19	90	13	27
ZB-1403YB158	3003/H22	.188*48*144	132	19	90	13	27
ZB-1403YB159	3003/H22	.250*48*120	132	19	92	13	33

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

DART AEROSPACE
ALUMINUM SHEET 6061 T6
.0640 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 26272

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: ______

BL PEC-903546-007

30Oct14

ZB-1403YB159	3003/H22	.250*48*96	132	19	92	13	33
Z-1310YB353	3003/H22/H24	.063*48*96	130	19	92	13	15
ZB-1404Y5126	5052/H32	.500*48*96	218	32	160	23	29
Z-1404Y6018	6061/T6	.125*48*96	340	49	285	41	16
Z-1404Y6018	6061/T6	.125*48*120	340	49	285	41	16
Z-1404Y6018	6061/T6	.125*48*144	340	49	285	41	16
Z-1404Y6027	6061/T6	.064*48*96	344	50	307	45	10
Z-1404Y6027	6061/T6	.064*48*144	344	50	307	45	10
Z-1404Y6028	6061/T6	.125*48*96	335	49	305	44	15
Z-1404Y6028	6061/T6	.125*48*144	335	49	305	44	15
ZB-1404Y6023	6061/T6	.188*48*96	363	53	327	47	13
ZB-1404Y6023	6061/T6	.188*48*144	363	53	327	47	13

PRODUCER: ZHENGZHOU MINGTAI INDUSTRY CO., LTD

ZHENGZHOU MINGTAI INDUSTRY
郑州明泰实业有限公司

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO26272**

Purchase Order Date 10/28/2014
PO Print Date 10/29/2014

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED $

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA – (Free Carrier)

Line Nbr	Reference / Vendor Part Number / Line Comments / Delivery Comments	Description/ Mfg ID	Req Date/ Taxable / Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M303R0.750	303 Round Bar 0.750	11/3/2014 Yes 11/3/2014		48.00 ✓ f	$3.48	$167.04

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: **$167.04**

Line Nbr	Reference	Description/ Mfg ID	Req Date/ Taxable / Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
2	M6061T6R0.625	6061-T6 Round Bar .625"	11/3/2014 Yes 11/3/2014		60.00 ✓ f	$0.82	$49.45

SP14-10-31

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

Line Total: **$49.45**

Note:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO26272

Purchase Order Date 10/28/2014
PO Print Date 10/29/2014

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA – (Free Carrier)

Line	Item	Description	Date	Qty	Unit Price	Amount
3	M6061T6R0.750	6061-T6 Round Bar .750"	11/3/2014 Yes 11/3/2014	120.00 f	$1.16	$139.75

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: **$139.75**

Line	Item	Description	Date	Qty	Unit Price	Amount
4	M304S16GA	304/316 Sheet .063	11/3/2014 Yes 11/3/2014	96.00 sf	$5.28	$507.31

MATERIAL; AISI 304/316 SS SHEET ANNEALED
AS PER MIL-S-5059 OR AMS 5513 (304)
OR AMS 5524 (316) OR ASTM A240 OR
ASME SA240

Line Total: **$507.31**

Line	Item	Description	Date	Qty	Unit Price	Amount
5	M304S20GA	304/316 .040 Sheet	11/3/2014 Yes 11/3/2014	192.00 sf	$3.33	$639.00

MATERIAL; AISI 304/316 SS SHEET ANNEALED
AS PER MIL-S-5059 OR AMS 5513 (304)
OR AMS 5524 (316) OR ASTM A240 OR
ASME SA240

SP14-10-31

Note:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO26272**

Purchase Order Date 10/28/2014
PO Print Date 10/29/2014

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA – (Free Carrier)

Line Total: **$639.00**

6	M6061T6S.125	6061-T6 .125 Sheet	11/3/2014 Yes 11/3/2014	64.00 sf	$5.92	$379.04

MATERIAL: 6061-T6/T62 ALUMINUM SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027 OR ASTM B209

Line Total: **$379.04**

7	M6061T6S.063	6061-T6 .063 Sheet	11/3/2014 Yes 11/3/2014	160.00 sf	$3.05	$487.34

MATERIAL: 6061-T6/T62 ALUMINUM SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS 4025 OR AMS 4027 OR ASTM B209

2014-10-31

Line Total: **$487.34**

Note:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO26272

Purchase Order Date 10/28/2014
PO Print Date 10/29/2014

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA – (Free Carrier)

8	M6061T6B0.750X08.000	6061-T6 BAR .750" X 8.00"	11/3/2014 Yes 11/3/2014	12.00 f	$20.25	$243.00

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: **$243.00**

9	M304B0.625X3.000	304 BAR .625 X 3.00	11/11/2014 Yes 11/17/2014	10.00 f	$23.50	$235.00

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

Line Total: **$235.00**

Note:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO26272**

Purchase Order Date 10/28/2014
PO Print Date 10/28/2014

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

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Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA – (Free Carrier)

10	71401-45	PROCUREMENT QUALITY CLAUSES	11/3/2014 No 11/3/2014	1.00	$0.00	$0.00

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality document

Line Total: **$0.00**

PO Total: **$2,896.93**

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explaination.

Change Nbr: 1 **Change Date:** 10/28/2014

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061-T6
RECEIVED BY: SONIA
DATE: 14/10/31
P/O#: 26272
QUANTITY ORDERED: 42
THICKNESS ORDERED: .750 X 8.00 X 12'
SHEET SIZE:

MATERIAL CERT RECEIVED: yes
QUANTITY RECEIVED: 42
THICKNESS RECEIVED: .750 X 8.00
SHEET SIZE RECEIVED:

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
INCORRECT FINISH	Y	(N)	
CORROSION	Y	(N)	
INCORRECT GRAIN DIRECTION	Y	(N)	
INCORRECT MATERIAL	Y	(N)	
INCORRECT THICKNESS	Y	(N)	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: [signature]	BY:
DATE: 14/10/31	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 91303
RECEIVED BY: Sonia
DATE: ~~26272~~ 14/10/31
P/O#: 26272
QUANTITY ORDERED: 48
THICKNESS ORDERED: .750
SHEET SIZE:

MATERIAL CERT RECEIVED: yes
QUANTITY RECEIVED: 48
THICKNESS RECEIVED: .750
SHEET SIZE RECEIVED:

DESCRIPTION	NCR *(Check Y/N)*		COMMENTS
SURFACE DAMAGE	Y	(N)	
INCORRECT FINISH	Y	(N)	
CORROSION	Y	(N)	
INCORRECT GRAIN DIRECTION	Y	(N)	
INCORRECT MATERIAL	Y	(N)	
INCORRECT THICKNESS	Y	(N)	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: [signature]	BY:
DATE: 14/10/31	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061-T6
RECEIVED BY: Sonia
DATE: 14/10/31
P/O#: 26272
QUANTITY ORDERED: 60
THICKNESS ORDERED: .625
SHEET SIZE:

MATERIAL CERT RECEIVED: yes
QUANTITY RECEIVED: 60
THICKNESS RECEIVED: .625
SHEET SIZE RECEIVED:

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
INCORRECT FINISH	Y	(N)	
CORROSION	Y	(N)	
INCORRECT GRAIN DIRECTION	Y	(N)	
INCORRECT MATERIAL	Y	(N)	
INCORRECT THICKNESS	Y	(N)	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: [signature]	BY:
DATE: 14/10/31	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061-T6
RECEIVED BY: Sonia
DATE: 14/10/31
P/O#: 26272
MATERIAL CERT RECEIVED: yes
QUANTITY ORDERED: 120
QUANTITY RECEIVED: 120
THICKNESS ORDERED: .750
THICKNESS RECEIVED: .750
SHEET SIZE:
SHEET SIZE RECEIVED:

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
INCORRECT FINISH	Y	(N)	
CORROSION	Y	(N)	
INCORRECT GRAIN DIRECTION	Y	(N)	
INCORRECT MATERIAL	Y	(N)	
INCORRECT THICKNESS	Y	(N)	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: [signature]	BY:
DATE: 14/10/31	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in